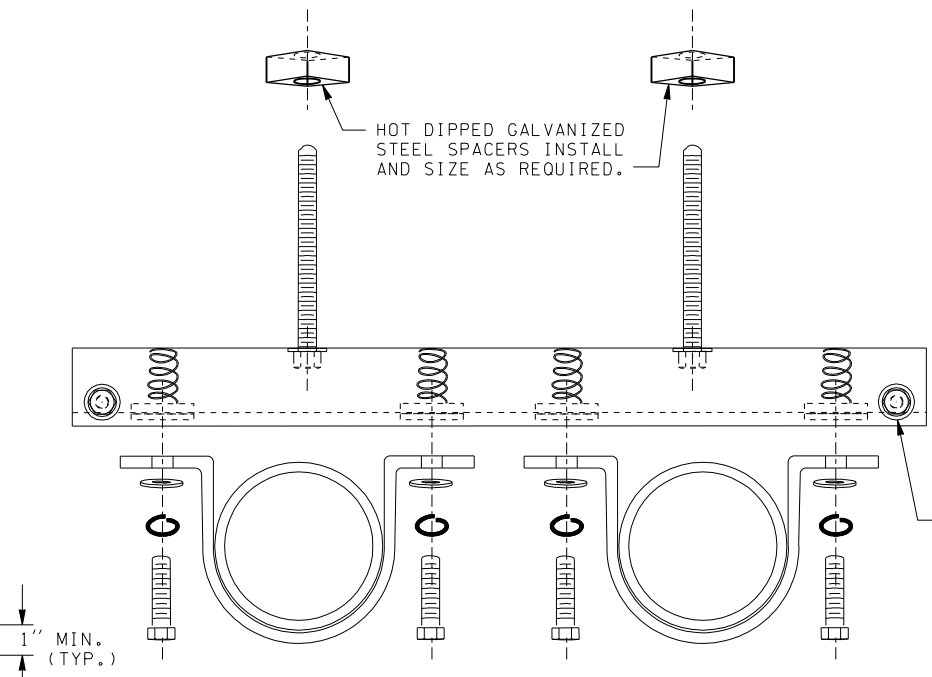
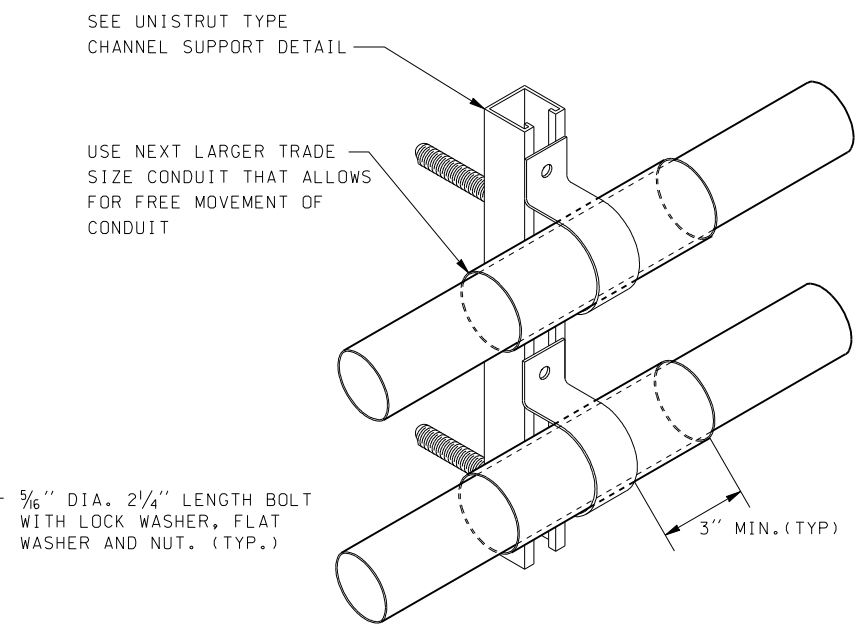


EXTERNALLY MOUNTED JUNCTION BOX DETAIL  
SEE SURFACE MOUNT JUNCTION BOX FOR ADDITIONAL DETAILS



HORIZONTAL DETAIL  
(HORIZONTAL MOUNT)



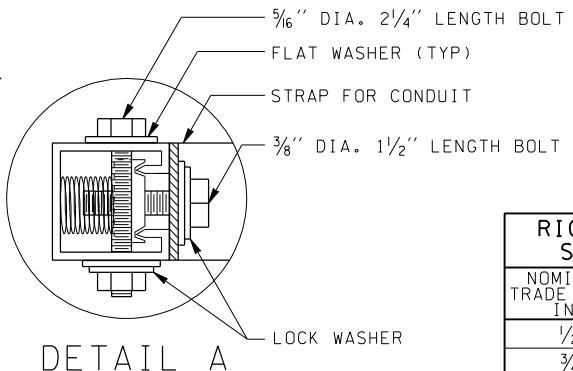
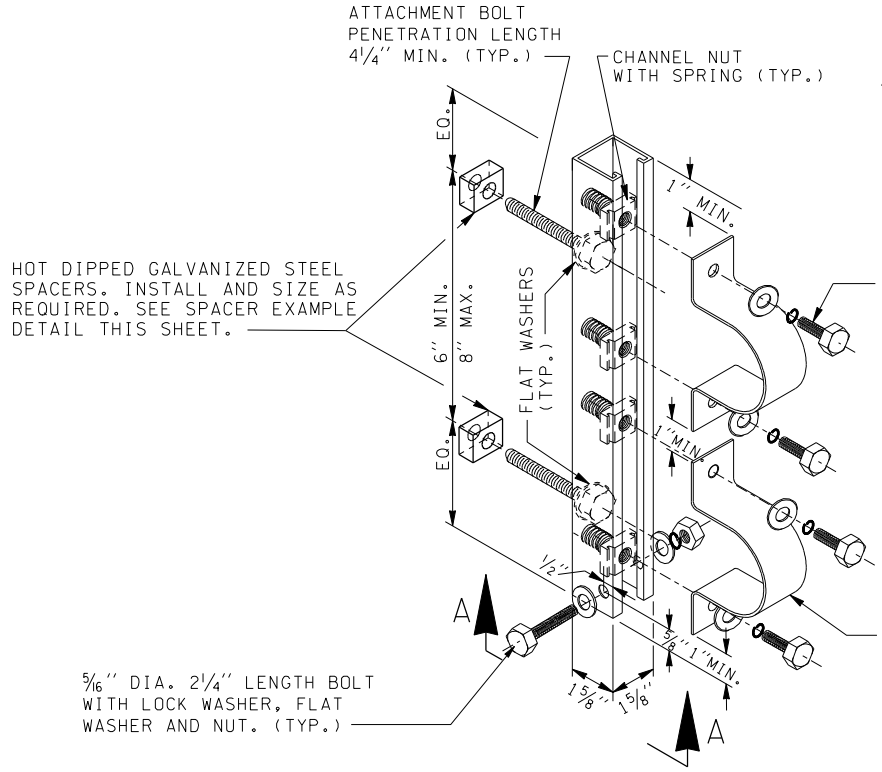
PVC CONDUIT SUPPORT DETAIL  
(FOR UTILITY COMPANY USE - ONLY ALLOWED IN RARE INSTANCES)

NOTE TO DESIGNER: WHEN USING THIS SHEET, YOU MUST ALSO REQUEST THE FOLLOWING GSP'S BE ADDED TO THE CONTRACT. GSP 02.GR6, GSP 022.GR6, GSP 0221.GR6 AND GSP 02318.GR6. DELETE THIS NOTE FROM THIS SHEET WHEN INSERTED INTO CONTRACT PLAN SET.

NOTES

MOUNTING HARDWARE DETAILS ARE PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY. THE CONTRACTOR MAY PROPOSE GEOMETRIC ATTACHMENT MODIFICATIONS, SUBJECT TO APPROVAL BY THE ENGINEER.

DRILLING THROUGH REINFORCING STEEL IS NOT ALLOWED. IF STEEL IS HIT WHILE DRILLING, THE LOCATION SHALL BE MOVED AND THE ABANDONED HOLE FILLED WITH GROUT CONFORMING TO SECTION 6-02.3(20). THERE SHALL BE A MINIMUM 3" EDGE DISTANCE TO THE CENTERLINE OF ANCHOR HOLES IN CONCRETE. MOUNT THE UNISTRUT TYPE SUPPORT USING AN APPROVED RESIN BONDED ANCHOR SYSTEM, INSTALLED PER MANUFACTURERS RECOMMENDATION IN DRY CONDITIONS. RESIN BONDED ANCHORS SHALL BE STAINLESS STEEL AND SHALL BE A MINIMUM OF 3/8" DIA. UNLESS THE PLANS REQUIRE LARGER ANCHORS. (EXPANSION ANCHORS ARE NOT ALLOWED.)



DETAIL A

NUMBER OF CLAMPS SHALL BE DETERMINED BY NUMBER OF CONDUITS TO BE ATTACHED TO UNISTRUT TYPE CHANNEL SUPPORT. SEE PLANS FOR CONDUIT ROUTING.

UNISTRUT TYPE CHANNEL SUPPORT DETAIL  
(VERTICAL MOUNT)

RIGID GALVANIZED STEEL CONDUIT		
NOMINAL TRADE SIZE IN.	CONDUIT STRAP OUTSIDE	DIAMETER INSIDE
1/2	0.840	0.632
3/4	1.050	0.836
1	1.315	1.063
1 1/4	1.660	1.394
1 1/2	1.900	1.624
2	2.375	2.083
2 1/2	2.875	2.489
3	3.500	3.090
3 1/2	4.000	3.570
4	4.500	4.050
5	5.563	5.073
6	6.625	6.093

SCHEDULE 40 PVC		
NOMINAL TRADE SIZE IN.	CONDUIT STRAP OUTSIDE	DIAMETER INSIDE
1/2	0.840	0.622
3/4	1.050	0.824
1	1.315	1.049
1 1/4	1.660	1.380
1 1/2	1.900	1.610
2	2.375	2.067
2 1/2	2.875	2.469
3	3.500	3.068
3 1/2	4.000	3.548
4	4.500	4.026
5	5.563	5.047
6	6.625	6.065

SCHEDULE 80 PVC		
NOMINAL TRADE SIZE IN.	CONDUIT STRAP OUTSIDE	DIAMETER INSIDE
1/2	0.840	0.546
3/4	1.050	0.742
1	1.315	0.957
1 1/4	1.660	1.278
1 1/2	1.900	1.500
2	2.375	1.939
2 1/2	2.875	2.323
3	3.500	2.900
4	4.500	3.826
5	5.563	4.813

FILE NAME S:\414126\Electrical\MASTER FILES\DETAILS Homepage\UNISTRUT.E.dgn		3-21-05 JH		REGION NO.	STATE	FED.AID PROJ.NO.	DATE	DATE	Washington State Department of Transportation	ENGLISH UNISTRUT DETAILS	PL011
TIME 03:10:46 PM	ADD EX MOUNT JBOX DET., HOR. DET., WASHERS	1-11-05 KN	10	WASH	5.04E						
DATE 04/07/2005	ADD BOLT W/NUT AND WASHERS ON HOR. MOUNTED CHANN. SUPPORT.	2-6-02 JH									SHEET
DESIGNED BY	ATTACHMENT BOLT SPACING MIN/MAX	6-13-01 JH									OF
ENTERED BY	"NOTES" REVISED.	6-7-01 JH									SHEETS
CHECKED BY	ANCHOR BOLT "PENETRATION" LENGTH	2-6-01 JH									
PROJ. ENGR.	ADD DETAIL A	4-6-05 JH									
REGIONAL ADM.	ADD NOTES TO JBOX, DESIGNER NOTE										
	REVISION	DATE	BY								